

Notice of Allowability

Application No.

10/694,840

Examiner

Ismael Izaguirre

Applicant(s)

CHUO, JUI-JUNG

Art Unit

3765

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/29/03.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☒ The drawings filed on 29 October 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Ismael Izaguirre
Primary Examiner
Art Unit: 3765

COMMENTS

Reasons For Allowance

The following is an examiner's statement of reasons for allowance: claim 1, the independent claim, defines an automatic thread cutting apparatus for a sewing machine comprising a movable thread cutter for cutting off yarns and holding the remaining portion of the yarns after a sewing operation is completed for use in successive operations. The cutting apparatus comprises a thread cutter having a cutting blade and two fixed cutters stacked on upon the other with a spacing in between to allow the cutting blade to pass. The cutting blade comprises a first cutting section for cutting off the yarns and a second cutting section to couple with the fixed blades to cut and hold the remaining portion of the yarns. A linkage mechanism is provided for moving the cutting blade comprising a driver with a moving section and mounted on a bracing section, a direction switch section, first and second crank levers and first and second linkage bars. The driver moving section is connected to the direction switching section which is connected to the first crank lever which in turn is connected to the second crank lever which is connected to the first linkage bar which is connected to the second linkage bar. The second linkage bar is connected to the cutting blade, which is driven for cutting off the yarns as the cutting sections bring the yarns to the fixed cutters. The dependent claims further limit the structure of the thread cutter.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Pertinent Citations

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hedegaard illustrates a thread cutter including a cam for driving a first pivoting crank and a second pivoting crank and a first linkage bar and a second linkage bar. A swinging capture member moves the threads to a fixed cutter, which penetrates the thread catcher for cutting the threads and wherein two fixed spring plates hold the threads. Lin illustrates a thread cutter including a swingable plate with thread hooks, which is driven by a solenoid and wherein the threads are hooked and moved to a fixed cutting blade. Steckenrider illustrates a thread trimming mechanism including a swingable hook and cutter combination. Hunang illustrates a thread cutter including a hook with first and second thread capturing hooks, wherein a slide is moved and swung for capturing the threads and moving the captured threads to the cutter and holders. Dusch illustrates a thread cutting device including a swingable thread capture hook which captures the threads and a cutter engages a periphery of the swinging capture hook to cut the threads and further the end of the bobbin thread is held for the next sewing operation. The swingable hook is moved by a pair of solenoids, which drive a first crank and a second crank and where the second crank is connected to a first linkage bar, which is connected to the capture hook.

INQUIRIES

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mr. Ismael Izaguirre located in CP2-4B18 whose telephone number is (703) 308-0892. The examiner can normally be reached on Monday to Friday from 9:30 to 6:00.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0861.

A handwritten signature in black ink, appearing to read 'Ismael Izaguirre', with a long horizontal flourish extending to the right.

**Ismael Izaguirre
Primary Examiner
Group Art Unit 3765**

II

6/26/04